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SOURCE Newspapers and periodical as indicated.

BOAST HIGH-PRODUCTION METAL EQUIPMENT;
NEW IRON TO REPLACE BRONZE

GIANT MILL HAS HIGH OUTPUT -- Ogonek, No 13, 26 Mar 50

In 1949, the Novo-Kramatorsk Plant imeni Stalin built a rolling mill for handling multiton steel ingots. The only mill of its kind in the world, it was designed by a group of engineers under A. I. Tselikov.

The mill is so large that it had to be shipped to its present location in four trainloads. During operation, the mill requires several thousand liters of lubricating oil per hour. Its numerous motors require as much electric energy to run them as would answer the electrification needs of 200 large kolkhozes. The mill's daily output is so great it must go out in several trains of 40 cars each.

URALS PLANT MAKES SUPERIOR ROLLING MILL -- Kommunist, No 64, 15 Mar 50

The rail-structural mill made at the Sverdlovsk Uralmash Plant is superior to all other mills of a similar type in the world, both in productivity and in the degree to which its various operations have been mechanized and made automatic.

PLEDGE NEW SMELTERS -- Vechernyaya Moskva, No 40, 16 Feb 50

The Moscow Platinopribor Plant has pledged completion by 12 March of three new smelting units, each comprising a furnace and high-frequency generator. The metal will be smelted by the furnaces in an extremely rarified atmosphere to prevent oxidation.

PLEDGE BONUS PRODUCTS FROM SAVED METAL -- Kommunist, No 76, 30 Mar 50

The forge shop of the Novo-Kramatorsk Plant imeni Stalin has pledged a monthly saving of 100 tons of metal through reduction of forging tolerances. The saved metal will go into the manufacture of ore screens and coal-pulverizer balls.

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PLANT GOES ALL OUT FOR METAL SAVINGS -- Kommunist, No 85, 9 Apr 50

At the beginning of the year, a plan was drawn up at the Moscow Metallist Plant for saving metal in the production of every item. Special dies, gages, and other pieces of equipment were made. Laying-out methods for sheet metal work were changed. Pig iron was substituted for steel in the manufacture of certain parts. Limit booklets were introduced, and many other measures were taken.

During the last 3 months, as a result of these measures, the production cost of universal pulverizers was cut over 50 percent and their weight reduced almost 13 percent. The plant has saved 10 tons of steel, 5 tons of coke, and 10,000 kilowatt-hours of electric energy.

TO MAKE ANTIFRICTION IRON -- Severnyaya Pravda, No 175, 5 Sep 49

The Kostroma Plant imeni Krasna has begun production of a modified pig iron of high durability. Many important machine parts are made from this iron, including cylinders.

The plant is now setting up production of antifriction iron, intended to replace bronze. This iron has already met with success in the first parts made from it.

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